

NORTHERN SAN DIEGO COUNTY



THE PALOMAR AMATEUR RADIO CLUB, INC.

POST OFFICE BOX 1603
VISTA, CALIFORNIA 92083-0530

W6NWG

Scope

VOL. XXI, 1

1936 - 1986

JANUARY, 1986

PRESIDENT: Stan Rohrer, W9FQN, Valley Center 749-0276
 VICE PRESIDENT: Larry de Montegre, KB6DNR, Vista 726-0353
 SECRETARY: Phil Leonelli, WF6L, Oceanside 757-7008
 TREASURER: Ron Wilhelmy, WI6B, Rancho Santa Fe, 756-3133

NOTICE! NOTICE! NOTICE!

THE JANUARY CLUB MEETING WILL BE HELD ON WEDNESDAY, JANUARY 8TH, IN THE CHERRY ROOM OF THE MOUNT VERNON INN, 510 WEST MISSION JUST OFF OF CENTER CITY PARKWAY IN ESCONDIDO. PAY ATTENTION. SEE MAP, PAGE 8.

---PRESIDENT'S MESSAGE---

Our club membership is now 290 and climbing. Our meeting attendance in 1983 was 648, and in 1984 682. In 1985 we again increased our attendance to 804 for the whole year. At our last meeting we had 95 people sign in and several who did not. With increased membership we will be confronted with different problems than in the past, but we should also have additional opportunities. We are going to need more helpers this coming year, and I would appreciate it very much if you would let me know if you would be willing to help the Club in any way.

We also have increased the use of the 146.730 repeater during morning and evening mobile hours, so that we are going to have to use short transmissions and encourage those out there "lurking" to join those using the repeater. Duane, WB6R, has done an excellent job as "net control" during the mornings when he is available, and others of you have stepped in to do the job when Duane is away. Remember to leave "space" between transmissions. We hope that our new 450 repeater will help relieve the pressure on the 2M machine. We should also remember that the 220 Club of San Diego operates WD6HFR/R, an open, carrier-operated repeater on 224.900 MHz (-). It is co-located with W6NWG/R. The 220 Club has kindly extended the use of their machine to PARC members. The 220 and 450 repeaters are very quiet compared to our 2M machine so if you feel "crowded, you might want to give 220 and 450 a try or spend time on our digipeater on 145.050. All four repeaters have essentially the same coverage of the county.

Most of our members live in something called "San Diego" (22.3%), Vista (19.8%), Oceanside (9.9%), Escondido (6.2%), Fallbrook (5.5%), San Marcos (4%), El Cajon (3.3%), Carlsbad (2.9%), Encinitas (2.9%), and Santee (2.2%). The top ten contain 79% of our membership with the remaining 21% spread throughout San Diego and other counties and states.

73 de Stan, W9FQN

CLUB MEETINGS

WHEN AND WHERE? On the first Wednesday of the month at 7:30 p.m. in the Community Room of Glendale Federal Savings and Loan Association at the

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corner of East Vista Way and Anza in Vista. Visitors welcome.

THE JANUARY MEETING: WHICH WILL BE HELD ON JANUARY 8TH, will feature Packet Radio with guest speakers Bob Hoover, KA6HZF, and Paul Williamson, KB5MU. This program will give all of us who are just into, or want to get into, Packet Radio, a chance to ask some of those basic questions on getting started. You WILL be able to see what goes on this time, and a Packet station will be up and running for you.

SHOW AND TELL: Phil, WF6L, will have his X-Panda-5 antenna adapter for multi-band mobile operation on display.

COFFEE AND GOODIES: The usual great coffee by Vina, who says thanks to all who brought goodies to the December meeting and made it a fun and full filling get together. Goodies ARE NEEDED for the January meeting. Vina also needs folks to sign up to bring tasties for the meetings for the months to come.

AT THE DECEMBER CLUB MEETING: Dave Guimont, WB6LLO, gave us a most informative talk on amateur radio communications via satellites; Ron, WI6B, showed us a home-brew collapsible 2M Yagi; Stan, W9FQN, showed us the Double Ducky Direction Finder; and we voted into office the slate of officers listed in the masthead, above. John Tentor, W6OLQ, outgoing Treasurer, was thanked for the years of devoted service he has given the Club in that position. WB6HMY was the big winner of the evening when he took home a GI'NT soup bone for Chico, the four-legged piranha. (This may have been a plot by some of our tender-ankled club members to buy Chico off - although the lack of an odor of oregano tends to rule out WF6L and N6KI, two notoriously thin skinned, soft shinned members of Italian descent.) N6GZI was awarded the appropriately engraved straight key left to him by K6NS. All of us enjoyed the many tasty no-cal goodies baked or bought and brought by so many fine folks. Vina's coffee was great! It was a very festive evening, and we had 95 present!

MEMBERSHIP IN THE PALOMAR AMATEUR RADIO CLUB is \$12 per year with no initiation fee, and includes a subscription to SCOPE. Family memberships are \$12 for the first member and \$9.00 for each subsequent family member at the same address. Annual SCOPE subscriptions are \$3.00. Membership matters, changes of address, subscription matters: PARC, P.O. Box 1603, Vista, CA 92083-0530.

SCOPE MATERIAL: News items and personal ads to Ralph Crossman, K6HAV, P.O. Box 73, Vista, CA 92083-0030 by Monday of the week two weeks prior to the next club meeting. SUBSCRIPTIONS, MEMBERSHIPS, AND ALL OTHER CLUB CORRESPONDENCE to the P.O. Box 1603, Vista, CA 92083-0530 address.

THREE REPEATERS, all W6NWG/R, are owned and operated by the Club. One has an input of 146.130 MHz and an output of 146.730 MHz. Input for another is 444.425 MHz and the output is 449.425. The 450 MHz machine is often on tone squelch (PL 3A). The third is a Packet Radio Digipeater on 145.050 MHz. They are located on the Club's property on Mount Palomar at about 5,600'; and are open repeaters for club members and occasional and transient users. Control operators are: KB6AI, KB6DNR, W9FQN, K6HAV, WA6KZN, KB5MU.

CLUB BADGES: Available from the Club Treasurer - for a price.

REPEATER

We hope to soon replace the faithful Standard repeater we've been using for nearly 10 years. It's done very well by us - thanks to the efforts of

K6ROR and WB6IQS, but it's time for a change. Two used Motorola "MSY" repeaters were bought for \$350 each and are awaiting the channel elements to be crystallized up for 444.425 and 449.425 MHz. John, WB6IQS, reports both of the repeaters are in operating condition awaiting delivery of the channel elements about the first of the year. These machines will be capable of battery operation in an emergency - which means that all of our repeaters will have that capability.

The MSY repeater we do not install may be sold. We have a prospective buyer for it.

Thanks to K6ROR, WI6B, WB6IQS, WA6KZN, W9KEX, N6FMK, N6INN, and K6HAV, who contributed to the purchase and outfitting of the new 450 repeater. Club members and 450 repeater users who want to further help subsidize the new machine can get their checks to the Treasurer. Earmark them "450 repeater".

NEW SCOPE SIZE

(The new, compact cheap size)

At the instigation of our Fearless Leader, this month we're trying out Letter Size paper instead of Legal Size for the Club's notoriously, nasty, nattering newsletter. If you don't like the new size, say so and we'll do as we darn please, as usual.

NUDE AND REGNUED MEMBERS, NEW CALL SIGNS

NEWED MEMBERS are: Harry Bluestein, N6TE, La Jolla; Clint and Eleanore Call, W6OFT & WB6OJL, Carlsbad; Henry Kirschner, WB0YCQ, San Luis Rey; Ed Jankowski, W6KCB, Valley Center; Bob Bauersfield, KF6LP, Solana Beach; Jerry Balke, W6YLA, Vista; David Schoen, N2KK, San Diego; Doug Gordon, K6PUN, Los Angeles; Mike Hamann, WB6CSH, Del Mar; Carl Langjahr, W6DNX, Oceanside; Marcel Siemons, KB6VQ, Ocean Hills.

RENUDE MEMBERS: Bill Cunningham, N6GSS, from the depths of De Luz Canyon (outback of Fallback); Skip Skinner, K6BPT, also a Fallbrookian.

NEW CALL SIGN: Angel Sabino, N6MUA from KB6JWU.

EXECUTIVE COMMITTEE MEETING

THE EXECUTIVE COMMITTEE, consisting of the Club's officers and committee chairmen, meets on the second Thursday after the club meeting at various locations. Without fail, the meeting usually starts at 7:30 p.m. Club members are welcome to attend and observe - quietly and with fitting ham decorum. The January meeting will take place at the W9FQN QTH.

AT THE DECEMBER MEETING, which was held at the home of K6HAV: The Committee voted to set aside, until the January meeting, the decision on whether to sell or retain the second "MSY" 450 MHz repeater; and to continue the Packet Voice Net indefinitely. It was decided to try the Scope on 11" long paper versus 17" so that we'd only have to fold it once and so that it will fit W9FQN's file folders. Stan reported on the on-going effort (five years of on-going) to reduce the coverage area of the former WA6NUD/R, now K0JPK/R, to exclude San Diego County. Stan reviewed the correspondence sent to TASMA and other parties and entities; and the total lack of any written response thereto.

SICK CALL

Boots, W6HAW, is back home recuperating from a serious heart attack suffered the Friday before Thanksgiving. He reportedly had a nine-day stay in the CCU at Tri-City Medical Center.

Guy, KB6AI, has been under the weather but is back "in battery" now.

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FORESAIL

(The halyard you say)

AEA CP-1, Hamtext, Dr. DX, all for C-64. Call Paul, KZ6X, at 436-2537 (HP) or 753-0026 (WP). (1)

TAPR TNC-2, Revision 1, only two months old, completely assembled and on the air. First \$190 takes it. Call Albert, N6GNB, at 741-1840. (1)

Hammarlund HQ-170-Q, HX-50-A HF rx and tx. Call Hal, W6JPB, 745-8872. (1)

BC-610 WW II HF AM/CW tx. Call Don WD6FWE, 757-3241. (1)

Drake NB-7 noise blanker, new for TR-7 xcvr, \$65 ppd; also Aux 7 board for same with general coverage mod, \$75 ppd. Call/write Tony Musero, K3UKW, 1609 S. Iseminger St., Philadelphia, PA 19148, phone 215-271-8898. (1)

CW/RITTY package: TRS-80 Color Computer, AEA CP-1 interface and Kantronics Hamsoft for TRS-80C, \$200. Call Lloyd, W6TFB, at 757-9374. (12)

Heath SB-201, mint (less than 20 hours use), w/stainless steel cover and manual, \$325; Commodore 64 w/orig box and accessories, \$100. Call Bill, N6COU, at 758-7163. (12)

Hitachi Model D-1428 oscilloscope. Call Bill, WB6TBQ, at 724-3837. (12)

ICOM IC-245 2M SSB/AM/FM mobile/base xcvr, w/2 manuals, bracket, mike, Drake Touch Tone mike, encoder, 9VDC adapter all wired in and working, 7A pwr supply for base use, extras almost new, \$325 takes all. Tempo VHF-1 25W 2M FM xcvr w/ manual, matching pwr supply-spkr, all for \$200. Call Al, N6GNB, or Mickey, N6GWJ, at 741-1840. (12)

Drake TR-4, \$200; Midland 13-509 220 MHz FM xcvr w/509 synthacoder & pwr supply, \$150; Sears 40 channel Roadtalker CB, 10M AM/SSB w/amplifier, \$150; Yaesu FT 208R 2M FM HT w/rubber duck and 5/8 wave AEA ants., \$200; Heathkit 5010 Memory Keyer, \$50; Apple Silent Printer, make offer. Call Dick, K6PZE, at 286-7103. (12)

Rohn HDBX48 tower (five 8' sections) w/antenna rotator and TH6DXX tri-band beam, all for \$250. Call Ralph, WD6ENP, at 579-4879 (work phone). (12)

Swantenna Model 45 mobile 75M-10M antenna w/slider adjustment for band and frequency adjustment. Call Warren, W6EYP, at 744-5097. (12)

Yaesu 480R all mode 10W 2M xcvr w/TT Pad mike, PL encoder plus regular mike, \$200; Yaesu FT708 450 MHz HT w/wall charger and cig. ltr. plug-in, has TT Pad and PL encoder built in. After 1700, call Nate, N6DCK, at 448-8438. (12)

Drake TR4-C HF xcvr w/AC supply and outboard VFO, new, never raced, \$300. Heath SB-301 HF rx w/spkr, \$75. HRO-60 HF rx w/spkr, near mint. Johnson Viking I de-TVied w/VFO, spare 4D32. Call Hal, W6DOL, at 271-5939. (12)

Drake NB-5 noise blanker for TR-5 xcvr only, \$20. Call Dennis, N6KI, at 271-6079. (11)

Drake WH-7 HF wattmeter, \$40. Call Earl, K6MXM, at 743-0860. (1)

Kenwood TS-520S HF xcvr, never raced; Regency 10-50 10 channel 5-band programmable scanner, like new, \$100 OBO; Cobra 148 TTL 120 channel SSB/AM CB rig w/pwr supply, \$175 OBO. Call John Long at 744-7647. (10)

Collins KWM-2 HF xcvr w/Collins 312-B-4 station control, Hallicrafters PS-500C pwr supply, 414A mobile mike, Shure 444D mike. Vic-20 w/ Ramax (28,159 free bytes), Hamtext, 40-80 column board, Touch Typing Tutor, and 6 tapes including Personal finance, Loan/mortgage calculator, Vic Typewriter, word processor, Home Inventory, and Expense Calculator, plus publications. \$500 takes everything, Collins and computer. Call Bob, WA6KZN, 729-4504. (11)

Palomar Engineers automatic keyer, \$75; Kenwood AT-230 antenna tuner, mint, \$110; Daiwa 4-position coax switch, \$35; Daiwa 2-position coax switch, \$20; Swan SWR/field strength meter, \$12.50; Hustler HF mobile antenna w/resonators for 40-10M. Call Allen, N7AMR, at 434-5656. (1)

Drake TX-4B HF tx, RX-4B HF rx, pwr supply, all for \$300. Call Bill, W6VDA, at 466-4234. (9)

Hallicrafters S-38, S-38E, and S-120 rxs. Heathkit SB-100 HF xcvr, Heathkit HW-101 HF xcvr w/AC supply, spare 6146s, turner mike, all documentation, and swr bridge; Heathkit SB-610 monitorscope. A scanner, marine xcvs, Johnson 6 and 2 transmitter. These are club items. Make an offer! The Club also has 8' copper clad, commercial grade ground rods w/clamps @ \$10 each. Call Stan, W9FQN, at 749-0276.

Fred, W6OZF, 724-0868, still has much gear from the estate of W6AQP including an Atlas 210X and 350XL, and a Swan Mk II amplifier.

WANTED!

(Chloe!)

Drake MN 2700 or MN2000 ant tuner. Call Tony Musero, K3UKW, at 215-271-8898.

A maximum-minimum thermometer for the repeater building. Call W9FQN.

ICOM IC-22A in working condx and/or other xtal controlled solid state rig. Crashed and injured KLM KT-34A or XA for parts. Call Dennis, N6KI, at 271-6079.

AMATEUR LICENSE EXPIRATIONS

Licenses expiring in January: W6IRM. February: N0NE. March: W1LE.

AMATEUR LICENSE EXAMINATIONS in north county are conducted at Glendale Federal Savings and Loan Association at the corner of East Vista Way and Anza in Vista on the second Saturday of every month from 1000 to 1600.

License exams are also given at Normal Heights United Methodist Church, 4560 Mansfield St., San Diego on the 1st Saturday; at St. Timothy's Lutheran Church, 2605 Morningside Dr., San Diego on the 3rd Saturday; and at Bostonia Recreation Center, 1049 Bostonia St., El Cajon and at the North County Blind Activity Center, 250 E. Grand Ave., Escondido, both on the 4th Saturday. No exams on the 5th Saturday.

Applicants for examination must send a S.A.S.E., a completed and signed (in ink) Form 610 (dated 6/84 or later), and a copy of their license and code certificate, if any, to SANDARC-VEC, Post Office Box 5023, La Mesa, CA 92041 ten days prior to the testing date. 610s may be obtained from the FCC office in La Mesa, phone 293-5478, or from the Club Secretary (members only). Applicants must bring original license and code certificate (if any) on the day of the exam. NO "walk-in" examinees accepted.

GLENDAL FED IS SURE NICE TO US. LET'S BE NICE TO GLENDAL FED.

JOIN THE ARRL! Do it via the PARC and the Club will get \$2 which would otherwise go to Gnuington (CT 06111, that is). Won't cost you a silly sou more than if you had rashly gone off on your own, either. Just make your check payable to the Palomar Amateur Radio Club and get it to "Treasurer Ron" care of the P.O. Box 1603 address in the masthead, or hand it to him at the next club meeting. The Tab is \$25 per year, two years for \$47, or three for \$65. If you're not an ARRL member, why not? Who else have you got lobbying for your hobby? The Club gets \$5 for each new ARRL member who signs up via the Club.

OUR ADVERTISERS SUPPORT THE CLUB. LET'S PATRONIZE OUR ADVERTISERS.

SURPLUS GOODIES at HIGHWAY COMPANY, 305 W. Wisconsin Ave., Oceanside. See ad this issue. Aluminum, brass, copper stock at Escondido Sales yard, 1428 Mission Rd., Escondido. Electronic, mechanical, computer parts, NiCads at Industrial Liquidators, 4887 Convoy St., San Diego; and at Gateway Electronics at 4633 Convoy St.

IF YOU CAN'T SELL IT, or don't want to haul it to TRW, the Club will be happy to take your surplus items and sell them to enrich the Club's equipment fund (to give us the means to refurbish repeaters, antennae, feedlines, etc. Contact any of the club officers to make arrangements to unload your surplus TS-940-S or KWM-380.

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VOLUNTEER EXAMINERS PROGRAM

de Pat Crossman, N6INN

We have been notified that SANDARC continues to receive unsolicited letters from hams who have tested with us, expressing their thanks for the comfortable way the program is run. Of course we: (1) encourage the applicants to keep the appointment, and (2) try to put them at ease. Beyond that, we can do little. They must take the tests for themselves, and they must be prepared. For those to desire to be (re)tested, please see details elsewhere in the Scope.

At the December 14th session, EVERYONE came away with something: Larry de Montegre, KB6DNR, and Walt Pennington, KB6DKR, (you sure have to watch those D_RS) earned EXTRA CLASS; Steve and Gaylee Rogers, KB6IGO & KB6IGP, upgraded to General Class; and Steve McKinney, KB6ISU, took home a certificate for 13 wpm. Two non-club members were also successful in up grading. Our sincere congratulations.

Volunteer examiners were: W6DEY conducting the CW exams; KG6VX on the front desk; W6YYV, N6KI, and K6HAV monitors and assisting me; and N6IE, AD6Z, and WI6B serving as examiners. It couldn't have been done without you. Special thanks to Max, W6DEY, who expended his own time and funds to construct devices to provide individual audio level controls for four sets of headphones (he provided the headphones too!) to make for better CW examinations. They work too. Ask KB6IGO and KB6IGP!

THE NORTH COUNTY TRAFFIC NET is operated by the Club, and meets nightly on 146.730 MHz at 2000 local to handle formal written traffic. Visitors are welcome. Here's your chance to try your hand at traffic handling in a friendly atmosphere. Give it a shot.

THE SAN DIEGO COUNTY PACKET RADIO VOICE NET meets on 146.730 at 2100 local on Tuesday. All, beginners as well as old hands, are welcome to join in and learn about Packet Radio.

+++++

WADE MOORE, KE6XF, SILENT KEY

We are saddened to report the passing on November 19 of Wade, KE6XF. Wade's cheery greetings, his helping hand and smiling presence will be missed.

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DOWN THE TOOBE

REMEMBER, THE JANUARY CLUB MEETING, ONLY, WILL BE HELD ON WEDNESDAY THE 8TH IN THE CHERRY ROOM, MOUNT VERNON INN, Escondido. See first item, page one.

The Club thanks Bill, W6VDA, for his donation of a Heathkit 2M FM xcvr; and John, WB6IQS, for repairing it. Likewise, thanks to Lorene Cornell for the donation of a TV set; to Buck, KA0RGQ, for transporting it; and to Paul, KZ6X, for donating the parts and doing the the repair on it. It sure is a good feeling to belong to a club which has so many talented and giving members. Good people just seem to step forward and do what they can without urging. Thanks to you all.

We're certainly glad to welcome charter PARC member Clint Call, W6OFT, back into the Club, particularly in our 50th Anniversary Year. Clint's been keeping a sked with former member Bill Jago, K7MO, in Oregon; and past President Bill Driml, W6NAT, in Fort Dick, CA.

Speaking of W6NAT, K6CLU says that Bill started out for the ham

convention in Long Beach this past summer, but lost a front wheel near Willits and only the guard rail saved him from going over the side. He rented a car and drove on down but didn't have time to come down to Vista.

Dennis, N6KI, was awarded a belated guy line for his tower at the December Club meeting. Seems as though he lost the tower and the beam back in one of the capricious early winter storms in November. A SCOPE put a new tower up for him, and he is now getting ready to put some antennae on it.

Not to be out done, John, WB6MEI, got racked up by the early December storm which put the 163 Freeway out of commission during the evening rush hours. John's description of the storm's action made it sound like a gi'nt vacuum cleaner had lifted the tower up and then slammed it back down. He too is going to have to put up a whole new system.

N6GSS, W9FQN, K6GJD, KG6VX, and K6HAV gave George, W5OI, an assist in getting his mast up. Next, the antenna and George will be on the air from his QTH in Fallbrook.

Thanks to N6GZI and N6KI for getting an antenna up for Hal, W6DOL. Hal is now full quieting into W6NWG/R now.

With all the interest in Packet Radio, wouldn't it be nice if we could talk KB5MU, into giving us a short Digital Communications column in the Scope? Beginners like me, as well as the whiz kids, could profit from it. How about it, Paul?

A letter Bob Gonsett, WA6QQQ, received states that the long-standing QST policy of not printing antenna gain information has kept his article on the test of HT antennas (SCOPE, 9/85) from appearing in that magazine. Too bad, since it was certainly info many might have been glad to see prior to spending their \$\$\$ for expensive dummy loads.

Don't forget to sign the Sign In Sheet at club meetings, Field Days, picnics or other Club-sponsored affairs. Each sign in will get you one ticket for the drawings at the club picnic.

HAPPY NEW YEAR!

"That's all", she wrote.



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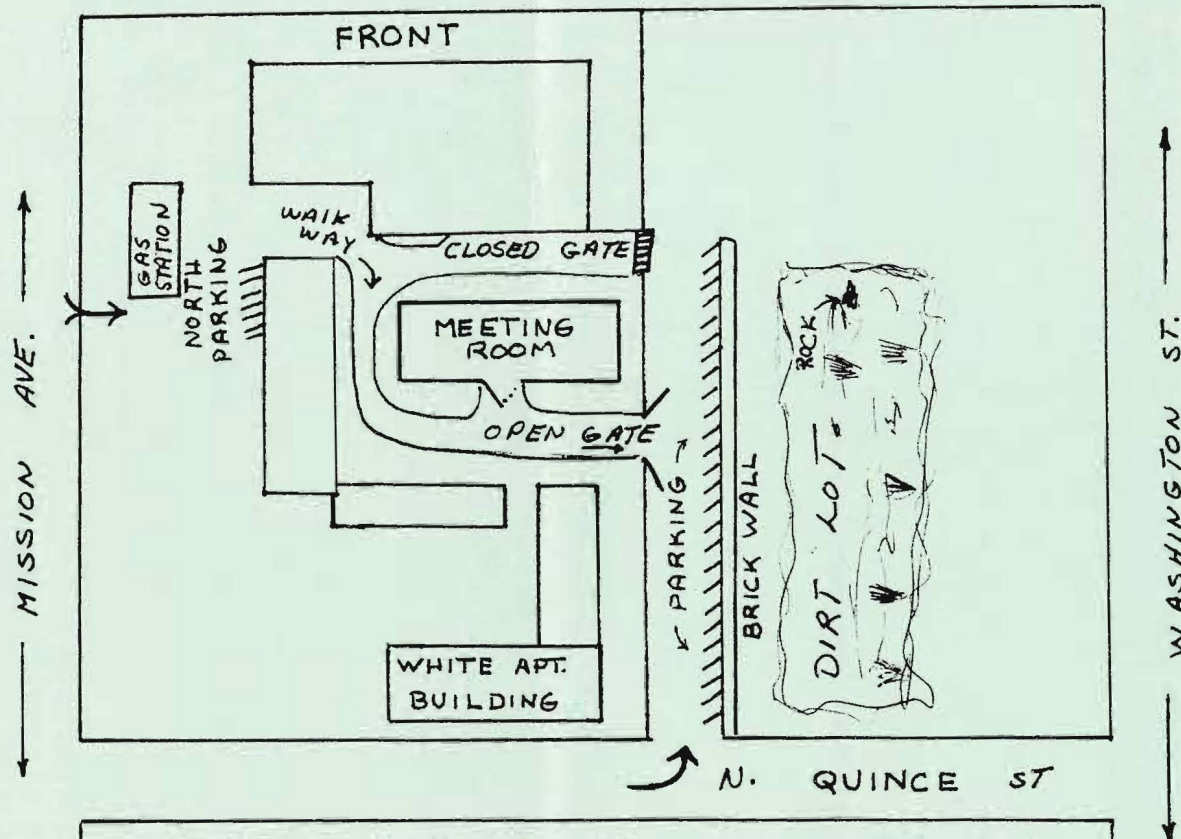
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KB6DNR

MAP TO JANUARY CLUB MEETING.

← CENTER CITY PKWY →



- 501 W. MISSION AVE, CITY OF ESCONDIDO
- BEST TO COME IN FROM THE BACK SIDE
 - COME IN OFF OF N. QUINCE ST.
 - ONLY ONE GATE IS UNLOCKED.
 - IF YOU WANT TO PARK IN THE NORTH LOT COME IN BY GAS STATION.
 - CALL IF YOU GET LOST. 745-6100

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from the gang at HRO —

Glenn K6NA, Mgr.
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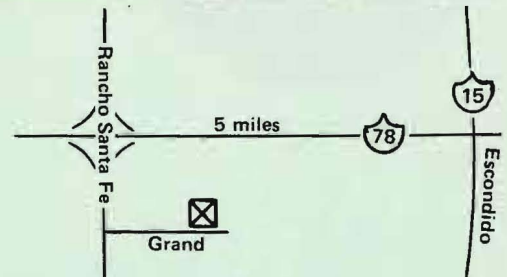
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AND A PROSPEROUS NEW YEAR

FROM — **MERIT W6NLO**

FLOYD W6JSP

BOB KA6HZF



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SCOPE USPS 076530, published monthly by
the PALOMAR AMATEUR RADIO CLUB, INC.,
3716 Bluebird Canyon Rd., Vista, CA 92083.
Subscription: \$3.00 per year. Second
Class Postage paid at Vista, CA 92083.
POSTMASTER: Send changes to: SCOPE,
P.O. Box 1603, Vista, CA 92083-0530

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